GHOST
Gigabit ethernet host

GHOST Convergent Network System

OVERVIEW

Ghost is a gigabit platform mounted in a 19'' 1U rack box dedicated to the multiplexing, transport and monitoring of true Ethernet broadcast signals. Ghost integrates a layer 2 programmable switch motherboard, an interface and control front panel board and an extended 120/230 VAC 50/60Hz power supply. Ghost offers a multi services platform to create and manage easily the most complex networks without specific skills in IT technologies. Ghost manager is the dedicated software specially developed for touring and live application. Ghost Manager can manage instantly up to 200 devices connected to the network from a Windows xp to 10 OS PC connected on one device. Ghost networks are fully independents of any protocol and perfectly versatile for each drive data. Ghost systems can be defined like a broadcast medias highway where every kind of vehicle can run freely and firstly on his dedicated part without global traffic jams.

PRINCIPAL FEATURES

- 12 PoE+ powered Ethercon® 10/100/1000 Mbps ports fully independents and assignable.
- 99 Groups can be managed at once.
- 2 Ethercon® 1000 Mbps ports for Ghost linking or User port.
- 2 Opticalcon® Duo 1000 Mbps for Ghost linking (OPTION).
- Available in single-mode and multi-mode versions.
- 1 x 8 characters LCD screen on each front assignable port.
- Status and traffic LEDS for remote of each ports.
- ID Led on each user port.
- 1 RJ45 plug on the back panel for monitoring and control.
- Bus, ring, star and hybrid topologies available.
- Ghost Manager software included in the package on an USB stick.
- Redundant PoE+ 195 W power supply is available in option.

COMPATIBLE PROTOCOLS

The list below states at present tested and certified protocols. It can change in the future without hardware modifications. Firmware updates will be released from our web site.

- Ethersound™
- Dante
- Cobranet®
- Artnet
- TCP/IP remote networks

APPLICATIONS

Live and touring:
- Live events and concerts
- Live broadcast
- Public address
- TV and Radio itinerant projects

Fixed installations:
- Stadiums and sport venues
- Museums, theme parks and entertainment venues
- Theatres
- Music and shows venues
- Corporate boardrooms and buildings.

Broadcast and studios:
- Radio and TV Studios
- OB Vans
- Data centers

Others:
- Multi medias broadcasting

SPÉCIFICATIONS TECHNIQUES

GÉNÉRAL

Size W x D x H (mm)	442 x 481 x 44.5
Weight (without options)	4.05 kg
Power Consumption	100-127 VAC / 3.2 A 200-240 VAC / 1.6 A
Power Supply	120/230 VAC 50/60 Hz
Idle power*	25.2 W
PoE power available**	195 W
Allocated power (per port)**	1-33 W
Maximum power rating***	247 W
Storage temperature / Humidity	-40° to - 70° / 15 to 90% with condensation
Operating temperature / Humidity	0° to 45° / 15 to 95% with condensation
Altitude	Up to 10000 ft (3 km)
Acoustic	43.9 dB

* Idle power is the actual power consumption of the device with no ports connected.
** PoE power is the total power budget available to all PoE ports.
*** Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.

CONNECTIVITY AND INTERFACE

Front Panel	8 x 10 Base-T / 100 Base-TX / 1000 Base-T Ethercon PoE+ ports 2 x 10 Base-T / 100 Base-TX / 1000 Base-T Ethercon® ports 2 x 10 Base-T / 100 Base-TX / 1000 Base-T OpticalCon® Duo ports 8 x 8 caracters LCD sceens 3 leds (Status, traffic, ID) on each Ethercon® port 2 leds (Tx Rx) on each OpticalCon® port 1 x configuration and navigation function switch
Rear Panel	4 x 10 Base-T / 100 Base-TX / 1000 Base-T Ethercon PoE+ ports 1 x remote and control RJ45 port 1 x Power Cord
Software	Telnet protocols for up to 100 devices connected Offline editor mode Service and maintenance window

TRAITEMENT ET CALCUL

Motherboard	1 x ARM9E: 800 MHz 256 Mo – DDR3 SDRAM 128 Mo Flash Memory Data flow: up to 41.6 Mpps Switching capacity: 56 Gb/s Memory Flash: 128 Mo
Network	99 x Groups available 16000 MAC Address capacity Power Over Ethernet IEEE802.3at IEEE 802.1p traffic priority

PACKAGE AND WARRANTY

Package includes	1 x Ghost π engine 1 x Power cord IEC13 Lock 1 x Start configuration guide 1 x USB key with Software, firmware and owner's documents
Warranty	5 years parts and service

Pictures and features are not contractual. Product specifications can be modified without prior notification.